

CLAIMS

- 1 1. An apparatus comprising:
 - 2 at least one processor;
 - 3 a memory coupled to the at least one processor;
 - 4 a first job residing in the memory and executed by the at least one processor;
 - 5 a second job residing in the memory and executed by the at least one processor;
 - 6 an inter-job breakpoint mechanism that detects at least one condition in the first
 - 7 job and, in response thereto, performs at least one action on the second job.

- 1 2. The apparatus of claim 1 wherein the at least one condition comprises the start of
2 execution of a specified portion of code in the first job.

- 1 3. The apparatus of claim 1 wherein the at least one condition comprises the end of
2 execution of a specified portion of code in the first job.

- 1 4. The apparatus of claim 1 wherein the at least one action comprises halting
2 execution of the second job.

- 1 5. The apparatus of claim 1 wherein the at least one action comprises enabling a
2 breakpoint in the second job.

- 1 6. The apparatus of claim 5 wherein the at least one action further comprises halting
2 execution of the second job when at least one condition specified in the breakpoint in the
3 second job is satisfied.

1 7. The apparatus of claim 1 wherein the at least one action comprises modifying a
2 property on the second job.

1 8. The apparatus of claim 7 wherein the property comprises a program variable.

1 9. The apparatus of claim 1 wherein the at least one action comprises outputting of a
2 debug message to the second job's output.

1 10. A method for debugging comprising the steps of:
2 defining at least one condition in a first job;
3 defining at least one action to take on a second job;
4 monitoring execution of the first job;
5 monitoring execution of the second job; and
6 when the at least one condition in the first job is satisfied, performing the at least
7 one action on the second job.

1 11. The method of claim 10 wherein the at least one condition comprises the start of
2 execution of a specified portion of code in the first job.

1 12. The method of claim 10 wherein the at least one condition comprises the end of
2 execution of a specified portion of code in the first job.

1 13. The method of claim 10 wherein the at least one action comprises halting
2 execution of the second job.

1 14. The method of claim 10 wherein the at least one action comprises enabling a
2 breakpoint in the second job.

1 15. The method of claim 14 wherein the at least one action further comprises halting
2 execution of the second job when at least one condition specified in the breakpoint in the
3 second job is satisfied.

1 16. The method of claim 10 wherein the at least one action comprises modifying a
2 property on the second job.

1 17. The method of claim 16 wherein the property comprises a program variable.

1 18. The method of claim 10 wherein the at least one action comprises outputting of a
2 debug message to the second job's output.

1 19. A program product comprising:
2 (A) an inter-job breakpoint mechanism that monitors execution of first and second
3 jobs, and when at least one condition in the first job is satisfied, performs at least one
4 action on the second job; and
5 (B) computer-readable signal bearing media bearing the inter-job breakpoint
6 mechanism.

1 20. The program product of claim 19 wherein the computer-readable signal bearing
2 media comprises recordable media.

1 21. The program product of claim 19 wherein the computer-readable signal bearing
2 media comprises transmission media.

1 22. The program product of claim 19 wherein the at least one condition comprises the
2 start of execution of a specified portion of code in the first job.

1 23. The program product of claim 19 wherein the at least one condition comprises the
2 end of execution of a specified portion of code in the first job.

1 24. The program product of claim 19 wherein the at least one action comprises halting
2 execution of the second job.

1 25. The program product of claim 19 wherein the at least one action comprises
2 enabling a breakpoint in the second job.

- 1 26. The program product of claim 25 wherein the at least one action further comprises
 - 2 halting execution of the second job when at least one condition specified in the
 - 3 breakpoint in the second job is satisfied.
-
- 1 27. The program product of claim 19 wherein the at least one action comprises
 - 2 modifying a property on the second job.
-
- 1 28. The program product of claim 27 wherein the property comprises a program
 - 2 variable.
-
- 1 29. The program product of claim 19 wherein the at least one action comprises
 - 2 outputting of a debug message to the second job's output.

* * * * *